

REPRESENTING



Mike Tennery

Idaho Coordinator

Fuels For Schools Program

Phone (208) 659-3752

228 E. Miles Ave., Hayden Lake, ID 83835

Email: ffsidaho@adelphia.net

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Subject: Report of Consultant activities for January, 2006.

Ref: IDL/RC&D MOU ATTACHMENT A, PROJECT SCOPE OF WORK FOR
FUELS FOR SCHOOLS (FFS) PROGRAM IN IDAHO (July 1, 2005 – June 30, 2006)

On January 24 I met with David Stevenson, IDL and Kim Golden, Panhandle Lakes RC&D. I was informed there is no additional funding for the Idaho FFS program in fiscal year 2006. I was directed to develop a plan to stretch existing operational funds beyond the current contract termination date of June 30, 2006 to December 31, 2006. Planning is in progress.

Desired Outcomes:

A. Assist in the promotion and development of the current Idaho FFS lead demonstration project at Council, ID to obtain an operational status by the fall of 2005.

Activity: Project is complete, operational, and welcoming visitors. Future plans include tracking of data about the system, completion of the greenhouse structure, and stack emission evaluations this spring. The Bitterroot RC&D has requested I find Idaho resources who are capable of EPA level stack testing and give them contact information. Contact to arrange visits are Murray Dalglish, Council School District Superintendent, phone:208-253-4217

Email: mdalglish@sd013.k12.id.us or me.

B. Promote the construction of additional biomass heating systems in public buildings consistent with program funding. Specific objective is to have one additional Biomass fueled heating systems under construction in 2005 and operational in 2006.

Activity: Kellogg SD – The ground breaking ceremony for Kellogg will be held on March 20.

Background: On November 1 the Kellogg School District electorate voted by 76% to approve a bond for the complete energy update of all of their school facilities. This project includes putting in a woody biomass fueled heating system to heat the Middle school and Administration Building. Talks are underway with Silver Mountain Resort to provide heated water to their proposed indoor water park. If this occurs, the biomass system will also be expanded to heat a nearby elementary school and be a revenue source for the District. Exact construction schedule has not been determined but entire project is planned to be complete within eighteen months. MOU and budget for the \$381,000 FFS grant to Kellogg has been finalized.

Boundary County Commissioners have completed prelim engineering questionnaires on their proposal to heat three downtown Bonners Ferry public buildings with biomass. Paperwork has been sent to Bitterroot RC&D with request for CTA to accomplish a Preliminary Engineering Evaluation. **Clearwater County Economic Development Team- Orofino, ID** – Pre-feasibility Assessment engineering visit is scheduled for February 8. A project to heat the High School, the Correctional Institution and the State Hospital using a biomass fueled heating system. **City of Council Idaho** has submitted FFS preliminary survey information on a possible biomass heating system which includes three city business builder buildings, city hall and a medical building. Project is currently being evaluated. **St. Maries School District** proposed putting a biomass wood chip fueled heating system into their elementary school. They submitted a grant application to the Forest Service and were selected to be considered in the final round of grant selection. The CTA preliminary engineering evaluation is being updated. I have met with the School District Biomass planning team and discussed the final grant application.

C. Maintain an electronic information file on school/public facilities in Idaho near fuel reduction projects.

Activity: Information on file and available.

D. Maintain and keep current an electronic information file (Web Site) for school administrators, public officials and others on existing projects, sources of biomass heating system design, construction and operation expertise.

Activity: **Idaho Department of Lands Website** is current with link on www.fuelsforschools.org web site.

E. Develop information base on biomass fuels processing, transportation techniques and potential energy qualities. Work with communities to help develop the capacity to access, process and store woody biomass. Develop links with large landowners/managers, county hazardous fuel reduction coordinators, state land managers, etc. so that sources of biomass are identified as available to new systems. Help potential chip suppliers be aware of new transportation options, like roll-off containers, articulated chip vans, etc.

Activity: I visited the boiler plant at the University of Idaho in Moscow, Idaho and was briefed on the biomass wood chip fueled boiler system. I have produced a report on the biomass boiler system which is currently being reviewed by the boiler plant manager. Report, with photos, will be posted on FFS.org website and available as handouts.

F. Develop contacts with government and private parties which have interest in the FFS programs success; could be potential sources of funding; and/or could provide program development/implementation expertise. Maintain record of contact information which can be made available to interested parties.

Activity: I was contacted by Elizabeth Gillette, Assistant Editor “Forest Magazine” with a request to provide photos of the Council Idaho biomass facility for publication with an article the magazine is doing on Council. Photos and comments were provided. Contact database continues to be updated.

G. Access the ID state boiler database and develop an analysis similar to the one done in MT that sorts the information by age, size, type of fuel burned, etc. Investigate cooperating agency GIS resources and if resources exist, conduct a GIS analysis to identify which ones are within 50 miles of forested land. Do a generic economic analysis to see which ones would have a reasonable payback.

Activity: have re-contacted the Idaho Department of Building Safety, who maintains the database on boiler inspections. They are looking for ways the information in the database

can be transferred to an electronic spreadsheet. Once this is accomplished GPS information will be added and data extracted to accomplish analysis.

Respectively submitted,

Mike Tennery